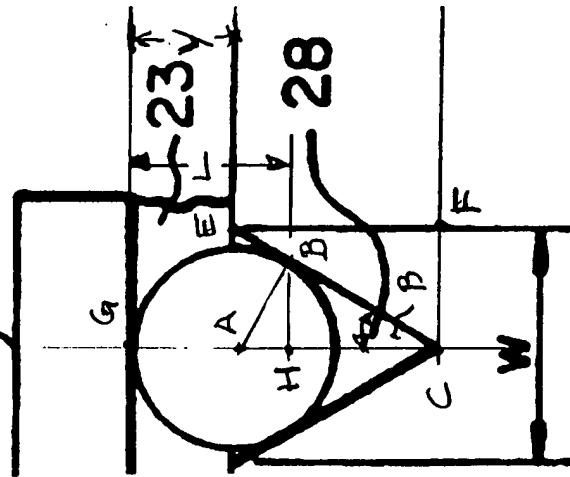


21



09/819,330

SK E T CH - 2

D=Dia of Fiber 100 Micrometer
Angle Beta=35 degrees
 $EF = \tan 55 * W/2$
 $AC = AB \sin 35 = (D/2) \sin 35$
 $AH = .5 * D \cos 35$
 $CG = AC + .5 * D$
 $Y - CG - EF$
 $AH = .5 * D \cos 35$
 $L = AH + .5 * D$

D	W	W/2	Tan 55=1.4281	AC	CG	$\tan 35=.7002$	$\sin 35=.5736$	AH	$L=AH+D/2$	$L/6$	Y	$L/2$
100	146	73	104.2513	87.16876	137.1688	32.91746	28.68	78.68	13.11333	32.91746	39.34	

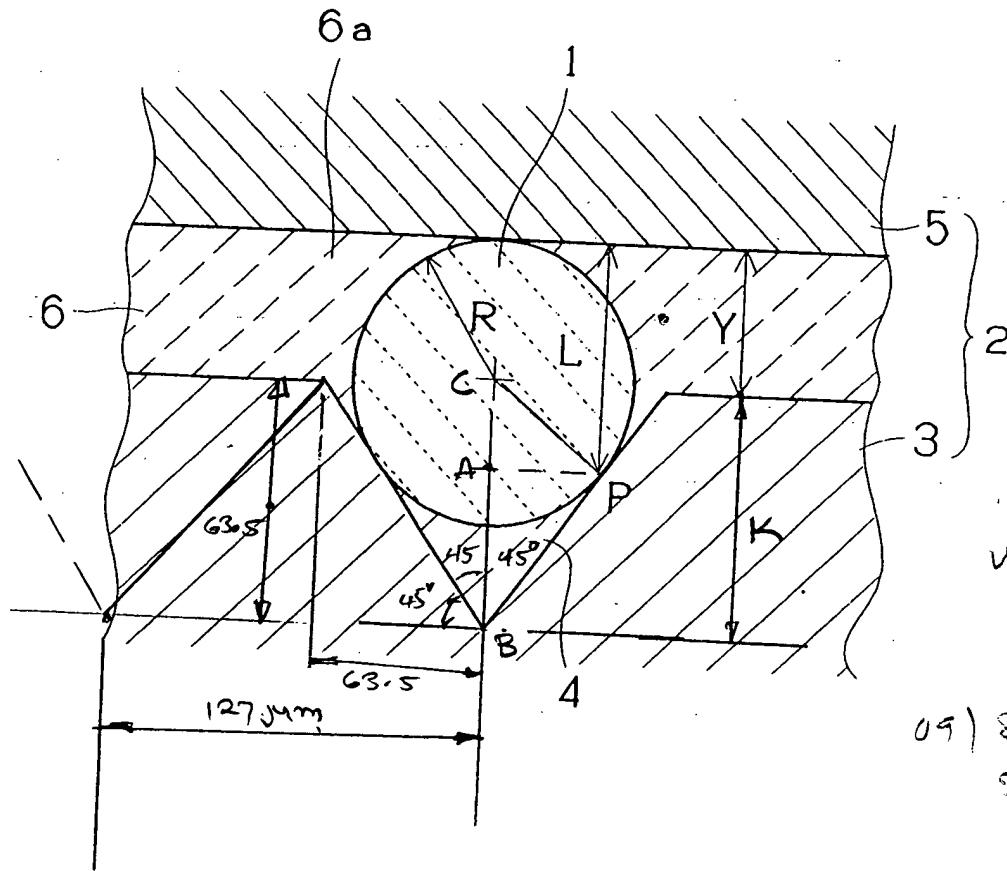


FIG 4b of
WO98/05989
US 6,045,269

09) 819 330
SKETCH - 1

$$AP = AC = \frac{12.5}{2} \sin 45^\circ = 44.19 \mu\text{m}$$

$$AB = AP = 44.19 \mu\text{m}$$

$$K = 63.5 \mu\text{m}$$

$$Y = BC + 62.5 - K = 150.88 - 63.5$$

$$Y = 87.38 \mu\text{m}$$

$$L = AC + 62.5 = 44.19 + 62.5 = 106.69 \mu\text{m}$$

$$\frac{L}{6} = 17.78 ; \quad \frac{L}{4} = 26.67$$